

# AIX

## Annex IX: Contributors to the IPCC WGI Sixth Assessment Report

**This annex should be cited as:**

IPCC, 2021: Annex IX: Contributors to the IPCC Working Group I Sixth Assessment Report. In *Climate Change 2021: The Physical Science Basis. Contribution of Working Group I to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change* [Masson-Delmotte, V., P. Zhai, A. Pirani, S.L. Connors, C. Péan, S. Berger, N. Caud, Y. Chen, L. Goldfarb, M.I. Gomis, M. Huang, K. Leitzell, E. Lonnoy, J.B.R. Matthews, T.K. Maycock, T. Waterfield, O. Yelekçi, R. Yu, and B. Zhou (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, pp. 2267–2286.

**AAS, Wenche**

Norwegian Institute for Air Research (NILU)  
Norway

**ABRAMOWITZ, Gabriel**

University of New South Wales  
Australia

**ACHUTARAO, Krishna M.**

Indian Institute of Technology  
India

**AÐALGEIRSDÓTTIR, Guðfinna**

University of Iceland  
Iceland

**ADHIKARY, Bhupesh**

International Centre for Integrated  
Mountain Development  
Nepal

**ADNAN, Muhammad**

Ministry of Climate Change (MoCC)  
Pakistan

**ADRIAN, Rita**

Freie Universität  
Germany

**AGOSTA, Cécile**

Laboratoire des sciences du climat  
et de l'environnement (LSCE)  
France

**AHN, Jinho**

Seoul National University  
Republic of Korea

**AHRENS, Bodo Goethe**

University Frankfurt  
Germany

**AKRITIDIS, Dimitris**

Aristotle University of Thessaloniki  
Greece

**ALAKKAT, Unnikrishnan**

Council of Scientific and Industrial  
Research (CSIR)  
National Institute of Oceanography  
India

**ALBANI, Samuel**

University of Milano-Bicocca  
Italy

**ALDRIAN, Edvin**

Agency for Assessment and Application  
of Technology  
Indonesia

**ALESSANDRI, Andrea**

Institute of Atmospheric Sciences  
and Climate (CNR-ISAC)  
Italy

**ALEXANDER, Lisa V.**

Climate Change Research Centre  
and University of New South Wales  
Australia

**ALEXANDROV, Georgii A.**

A.M. Obukhov Institute of Atmospheric  
Physics  
Russian Federation

**ALLAN, Richard P.**

University of Reading  
and National Centre for Earth Observation  
United Kingdom (of Great Britain and  
Northern Ireland)

**ALLEN, Robert J.**

University of California, Riverside  
United States of America

**ALMAZROUI, Mansour**

Center of Excellence for Climate  
Change Research  
King Abdulaziz University  
Saudi Arabia

**ALTERSKJÆR, Kari**

Center for International Climate  
Research (CICERO)  
Norway

**ALVES, Lincoln M.**

National Institute for Space Research (INPE)  
Brazil

**AMJAD, Muhammad**

Global Change Impact Studies Centre  
(GCISC)  
Pakistan

**ANCHUKAITIS, Kevin**

University of Arizona  
United States of America

**ARIAS, Paola A.**

Escuela Ambiental  
Universidad de Antioquia  
Colombia

**ARMOUR, Kyle**

University of Washington  
United States of America

**ARNELL, Nigel**

University of Reading  
United Kingdom (of Great Britain  
and Northern Ireland)

**ARTAXO, Paulo**

Institute of Physics  
University of São Paulo  
Brazil

**ASCHWANDEN, Mathias**

Switzerland

**AZAM, Farooq Mohd.**

Indian Institute of Technology Indore  
India

**BADI, Wafae**

Direction de la Météorologie Nationale  
Morocco

**BADOR, Margot**

Climate Change Research Centre  
and ARC Centre of Excellence for  
Climate Extremes  
Australia  
and Université de Toulouse  
France

**BALA, Govindasamy**

Indian Institute of Science  
India

**BAMBER, Jonathan L.**

University of Bristol  
United Kingdom (of Great Britain  
and Northern Ireland)

**BAÑO-MEDINA, Jorge**

Instituto de Física de Cantabria  
Spain

**BARIMALALA, Rondrotiana**

University of Cape Town  
South Africa

**BARLOW, Mathew**

University of Massachusetts Lowell  
United States of America

**BARREIRO PARRILLO, Marcelo**

Universidad de la República  
Uruguay

**BEDIA, Joaquín**

University of Cantabria  
Spain

**BELLOUIN, Nicolas**

University of Reading  
United Kingdom (of Great Britain  
and Northern Ireland)

**BERGER, Sophie**

WGI Technical Support Unit  
France

**BERNTSEN, Terje**

University of Oslo  
Norway

**BERTHOU, Ségolène**

Met Office Hadley Centre  
United Kingdom (of Great Britain and  
Northern Ireland)

**BETHKE, Ingo**

University of Bergen  
Norway

**BETTOLLI, María Laura**

University of Buenos Aires  
and National Scientific and Technical  
Research Council (CONICET)  
Argentina

**BETTS, Richard A.**

Met Office Hadley Centre  
and University of Exeter  
United Kingdom (of Great Britain  
and Northern Ireland)

**BEUSCH, Lea**

Institute for Atmospheric and  
Climate Science  
Switzerland

**BEYENE, Kinfe**

National Meteorological Agency  
Ethiopia

**BLICHNER, Sara M.**

University of Oslo  
Norway

**BOCK, Lisa**

Institut für Physik der Atmosphäre  
Germany

**BOEIRA DIAS, Fábio**

University of Helsinki  
Finland

**BOJARIU, Roxana**

National Meteorological Administration  
Romania

**BONFILS, Céline J.W.**

Lawrence Livermore National Laboratory  
United States of America

**BONY, Sandrine**

France

**BOPP, Laurent**

Laboratoire de Météorologie Dynamique  
(LMD)  
France

**BOSILOVICH, Michael**

National Aeronautics and Space  
Administration  
United States of America

**BOUCHER, Olivier**

Institut Pierre-Simon Laplace (IPSL)  
France

**BOX, Jason E.**

Geological Survey of Denmark  
and Greenland (GEUS)  
Denmark

**BOYSEN, Lena**

MPI Hamburg  
Germany

**BRACONNOT, Pascale**

Laboratoire des sciences du climat  
et de l'environnement (LSCE)  
France

**BREITBURG, Denise**

Smithsonian Environmental Research Center  
United States of America

**BRIERLEY, Chris**

University College London  
United Kingdom (of Great Britain  
and Northern Ireland)

**BROUILLET, Audrey**

Laboratoire des sciences du climat  
et de l'environnement (LSCE)  
France

**BROVKIN, Victor**

Max Planck Institute for Meteorology  
Germany

**BROWN, Josephine**

Australia

**BUKOVSKY, Melissa S.**

National Center for Atmospheric Research  
United States of America

**BUONTEMPO, Carlo**

ECMWF/C3S  
United Kingdom (of Great Britain  
and Northern Ireland)

**BURKE, Eleanor J.**

Met Office Hadley Centre  
United Kingdom (of Great Britain  
and Northern Ireland)

**BURKE, Kevin D.**

University of Wisconsin, Madison  
and BURLS, Natalie George Mason  
University  
United States of America

**BURLS, Natalie J.**

George Mason University  
United States of America

**BYRNE, Michael P.**

University of St Andrews  
and University of Oxford  
United Kingdom (of Great Britain  
and Northern Ireland)

**CAIN, Michelle**

Cranfield University  
United Kingdom (of Great Britain  
and Northern Ireland)

**CAMARGO, Suzana J.**

Columbia University  
United States of America

**CAMILLONI, Ines**

University of Buenos Aires  
and CONICET  
Argentina

**CAMPBELL, Donovan**

Jamaica

**CANAPELL, Josep G.**

Commonwealth Scientific and Industrial  
Organization (CSIRO)  
Australia

**CANNON, Alex J.**

Environment and Climate Change  
Canada

**CAO, Long**

Zhejiang University  
China

**CAPET, Xavier**

LOCEAN  
France

**CARMONA, Rosario**

University of Bonn  
Chile

**CASANUEVA, Ana**

University of Cantabria  
Spain

**CASSOU, Christophe**

Université de Toulouse,  
France

**CAUD, Nada**

Working Group I Technical Support Unit  
France

**CAVAZOS, Tereza**

Centro de Investigación Científica  
y de Educación Superior de Ensenada  
Mexico

**CENTELLA-ARTOLA, Abel**

Instituto de Meteorología  
Cuba

**CEREZO MOTA, Ruth**

Laboratory of Engineering and  
Coastal Processes  
Mexico

**CHADWICK, Robin**

Met Office Hadley Centre  
and University of Exeter  
United Kingdom (of Great Britain  
and Northern Ireland)

**CHAN, Johnny**

School of Energy and Environment  
City University of Hong Kong  
China

**CHANDRA, Naveen**

National Institute for Environmental Studies  
and Japan Agency for Marine-Earth Science  
and Technology  
Japan

**CHEN, Haoming**

Chinese Academy of Meteorological  
Sciences  
China

**CHEN, Yang**

WGI Technical Support Unit  
China

**CHEN, Deliang**

University of Gothenburg  
Sweden

**CHERCHI, Annalisa**

National Research Council  
Institute for the Atmospheric Sciences  
and Climate (CNR-ISAC)  
Italy

**CHOW, Winston**

Singapore Management University  
Singapore

**CHRISTENSEN, Hannah M.**

University of Oxford  
United Kingdom (of Great Britain  
and Northern Ireland)

**CHRISTENSEN, Jens**

Hesselbjerg Niels Bohr Institute,  
University of Copenhagen  
Denmark

**CHUERSUWAN, Nares**

Suranaree University of Technology  
Thailand

**CHURCH, John A.**

University of New South Wales  
Australia

**CIAIS, Philippe**

Laboratoire des sciences du climat  
et de l'environnement (LSCE)  
France

**CIMADEVILLA, Ezequiel**

Department of Applied Mathematics  
and Computer Science  
University of Cantabria  
Spain

**COATS, Sloan**

University of Hawaii-Manoa  
United States of America

**COBB, Kim**

Georgia Institute of Technology  
United States of America

**COFIÑO, Antonio S.**

Department of Applied Mathematics  
and Computer Science  
University of Cantabria  
Spain

**COHEN, Naftali**

Lamont-Doherty Earth Observatory  
United States of America

**COLETTE, Augustin**

Institut National de l'Environnement  
Industriel et des Risques  
France

**COLLINS, William D.**

Lawrence Berkeley Laboratory  
and University of California, Berkeley  
United States of America

**COLLINS, William**

University of Reading  
United Kingdom (of Great Britain  
and Northern Ireland)

**COLMAN, Robert**

Australian Bureau of Meteorology  
Australia

**CONDE, Cecilia**

Universidad Nacional Autónoma de México  
Mexico

**CONNORS, Sarah L.**

WGI Technical Support Unit  
France

**COOK, Benjamin**

NASA Goddard Institute for Space Studies  
United States of America

**COOPER, Owen R.**

University of Colorado, Boulder  
NOAA Chemical Sciences Laboratory  
United States of America

**COPPOLA, Erika**

Earth System Physics Section  
The Abdus Salam International Centre  
for Theoretical Physics (ICTP)  
Italy

**CORTI, Susanna**

Istituto di Scienze dell'Atmosfera  
e del Clima (ISAC)  
Italy

**COSTA, Marcos H.**

The Federal University of Viçosa  
Brazil

**COTRIM DA CUNHA, Leticia**

Universidade do Estado do Rio de Janeiro  
Faculdade de Oceanografia  
Brazil

**COTRIM DA CUNHA, Leticia**

Universidade do Estado do Rio de Janeiro  
Faculdade de Oceanografia  
Brazil

**COX, Peter M.**

University of Exeter  
United Kingdom (of Great Britain  
and Northern Ireland)

**CRAMER, Wolfgang**

Institut Méditerranéen de Biodiversité  
et d'Ecologie marine et continentale  
France

**CRUZ, Faye**

Abigail Manila Observatory  
Philippines

**DARON, Joseph D.**

Met Office Hadley Centre  
and Faculty of Science, University of Bristol  
United Kingdom (of Great Britain and  
Northern Ireland)

**DE MORA, Lee**

Plymouth Marine Laboratory  
United Kingdom (of Great Britain  
and Northern Ireland)

**DEMORY, Marie-Estelle**

Institute for Atmospheric and Climate  
Science  
ETH Zurich  
Switzerland

**DENISOV, Sergey N.**

A.M. Obukhov Institute of Atmospheric  
Physics RAS  
Russian Federation

**DENTENER, Frank J.**

European commission  
EU

**DERECZYNSKI, Claudine**

Federal University of Rio de Janeiro  
Brazil

**DERKSEN, Chris**

Environment and Climate Change Canada  
Canada

**DESSAI, Suraje**

University of Leeds  
United Kingdom (of Great Britain  
and Northern Ireland)

**DHARA, Chirag**

India

**DI LUCA, Alejandro**

Climate Change Research Centre  
University of New South Wales  
Australia  
and Département des sciences  
de la Terre et de l'atmosphère  
Université du Québec à Montréal  
Canada

**DI NEZIO, Pedro**

University of Colorado  
United States of America

**DI SANTE, Fabio**

The Abdus Salam International Centre  
for Theoretical Physics (ICTP)  
Italy

**DIAS, Fabio**

Boeira University of Helsinki  
Finland

**DÍAZ, Leandro B.**

Universidad de Buenos Aires (CONICET)  
Argentina

**DIEDHIOU, Arona**

Université Félix Houphouët Boigny  
Cote d'Ivoire

**DÍEZ SIERRA, Javier**

CSIC  
University of Cantabria  
Spain

**DIONGUE NIANG Aida**

Agence Nationale de l'Aviation Civile et de  
la Météorologie (ANACIM)  
Senegal

**DLUGOKENCKY, Ed J.**

National Oceanic and Atmospheric  
Administration (NOAA)  
United States of America

**DOBLAS REYES, Francisco J.**

Catalan Institution for Research and  
Advanced Studies (ICREA)  
and Barcelona Supercomputing Center (BSC)  
Spain

**DOBRIYAL, Pariva**

Wildlife Institute of India  
India

**DOHERTY, Sarah**

United States of America

**DÖLL, Petra**

Goethe University Frankfurt  
Germany

**DOLMAN, Hans**

Vrije Universiteit Amsterdam  
The Netherlands

**DOMINGUES, Catia M.**

University of Tasmania  
Institute for Marine and Antarctic Studies  
(IMAS)  
Australia  
and Antarctic Climate & Ecosystems  
Cooperative Research Centre (ACE CRC)  
United Kingdom (of Great Britain and  
Northern Ireland)

**DONAT, Markus G.**

Barcelona Supercomputing Center (BSC)  
Spain

**DONOHUE, Aaron**

University of Washington  
United States of America

**DOOLEY, Katherine J.**

Maynooth University  
Ireland

**DÖRR, Jakob**

University of Bergen  
and Bjerknes Centre for Climate Research  
Norway

**DOSIO, Alessandro**

European commission  
Italy

**DOUGLAS, Ellen**

University of Massachusetts, Boston  
United States of America

**DOUVILLE, Hervé**

Météo-France  
France

**DRIJFHOUT, Sybren S.**

University of Utrecht  
and University of Southampton  
The Netherlands

**DRIOUECH, Fatima**

University Mohammed VI Polytechnic  
Morocco

**DUFRESNE, Jean-Louis**

Laboratoire de météorologie  
dynamique (LMD)  
France

**DUNKERTON, Timothy**

North West Research Associates  
United States of America

**DUNN, Robert J.H.**

Met Office Hadley Centre  
United Kingdom (of Great Britain and  
Northern Ireland)

**DUNNE, John P.**

NOAA  
Geophysical Fluid Dynamics Laboratory  
United States of America

**DURACK, Paul J.**

Lawrence Livermore National Laboratory  
United States of America

**EDWARDS, Paul**

Stanford University  
and University of Michigan  
United States of America

**EDWARDS, Tamsin L.**

Kings College London  
United Kingdom (of Great Britain  
and Northern Ireland)

**ELISEEV, Alexey V.**

Moscow State University  
Russian Federation

**EMORI, Seita**

National Institute for Environmental Studies  
Japan

**ENGELBRECHT, Francois**

University of the Witwatersrand  
South Africa

**EVANS, Jason**

Australia

**EYRING, Veronika**

Institut für Physik der Atmosphäre  
and University of Bremen  
Germany

**FAIRALL, Chris**

National Oceanic and Atmospheric  
Administration (NOAA)  
United States of America

**FARIA, Sergio Henrique**

Basque Centre for Climate Change (BC3)  
Spain

**FARRELL, Aidan D.**

The University of the West Indies  
Trinidad and Tobago

**FAVIER, Vincent**

Institut des Géosciences de l'Environnement  
France

**FAY, Amanda**

Columbia University  
United States of America

**FEELY, Richard A.**

National Oceanic and Atmospheric  
Administration (NOAA)  
United States of America

**FERNÁNDEZ, Jesús**

University of Cantabria  
Spain

**FIOLETOV, Vitali**

Environment and Climate Change  
Canada

**FISCHER, Erich**

ETH Zurich  
Switzerland

**FLANNER, Mark**

University of Michigan  
United States of America

**FLATO, Gregory M.**

Environment and Climate Change  
Canada

**FLETCHER, Christopher G.**

University of Waterloo  
Canada

**FORSTER, Piers**

University of Leeds  
United Kingdom (of Great Britain  
and Northern Ireland)

**FOSTER, Gavin L.**

University of Southampton  
United Kingdom (of Great Britain  
and Northern Ireland)

**FOWLER, Hayley J.**

Newcastle University  
United Kingdom (of Great Britain  
and Northern Ireland)

**FOX-KEMPER, Baylor**

Brown University  
United States of America

**FRAME, David**

Victoria University of Wellington  
New Zealand

**FRIEDLINGSTEIN, Pierre**

University of Exeter  
United Kingdom (of Great Britain  
and Northern Ireland)

**FRIELER, Katja**

Potsdam Institute for Climate Impact  
Research (PIK)  
Germany

**FRÖLICHER, Thomas L.**

University of Bern  
Switzerland

**FU, Tzung-May**

Southern University of Science  
and Technology  
China

**FU, Weiwei**

University of California, Irvine  
United States of America

**FU, Qiang**

University of Washington  
United States of America

**FUGLESTVEDT, Jan S.**

Center for International Climate  
Research (CICERO)  
Norway

**FUKUI, Shin**

Tohoku University  
Japan

**FUSS, Sabine**

Mercator Research Institute on Global  
Commons and Climate Change  
Germany

**FUZZI, Sandro**

Institute of Atmospheric Sciences  
and Climate  
Italy

**FYFE, John C.**

Environment and Climate Change  
Canada

**GAILLARD, Marie-José**

Linnaeus University  
Sweden

**GALLARDO, Laura**

University of Chile  
Center for Climate and Resilience Research  
Chile

**GAN, Thian Y.**

University of Alberta  
Canada

**GARCÍA, Markel**

PREDICTIA Intelligent Data Solutions SL  
Spain

**GARCÍA-SERRANO**

Universitat de Barcelona (METEO-UB)  
Spain

**GARÇON, Véronique**

Laboratoire d'études en géophysique  
et océanographie spatiales  
France

**GARNER, Gregory G.**

Rutgers University  
United States of America

**GARSCHAGEN, Mathias**

The Ludwig-Maximilians University  
Germany

**GASSER, Thomas**

Austria

**GELFAN, Alexander**

Russian Academy of Sciences  
Russian Federation

**GEORGOULIAS, Aristeidis K.**

Aristotle University of Thessaloniki  
Greece

**GERGIS, Joelle**

The Australian National University  
Australia

**GERLAND, Sebastian**

Norwegian Polar Institute  
Norway

**GERSHUNOV, Alexander**

Scripps Institution of Oceanography  
United States of America

**GHOSH, Subimal**

Indian Institute of Technology Bombay  
India

**GIDDEN, Matthew J.**

International Institute for Applied Systems  
Analysis (IIASA)  
Austria

**GIER, Bettina**

University of Bremen  
Germany

**GILLETT, Nathan P.**

Environment and Climate Change  
Canada

**GINOUX, Paul**

United States of America

**GLECKLER, Peter**

Lawrence Livermore National Laboratory  
United States of America

**GLEISNER, Hans**

Danish Meteorological Institute  
Denmark

**GNATIUK, Natalia**

Nansen International Environmental  
and Remote Sensing Centre  
Russian Federation

**GOBRON, Nadine**

European commission  
EU

**GOELZER, Heiko**

NORCE Norwegian Research Centre  
and Bjerknes Centre for Climate Research  
Norway

**GOLDFARB, Leah**

WGI Technical Support Unit  
France

**GOLLEDGE, Nicholas R.**

Victoria University of Wellington  
New Zealand

**GOMEZ, Natalya**

McGill University  
Canada

**GOMIS, Melissa I.**

WGI Technical Support Unit  
France

**GONG, Daoyi**

Beijing Normal University  
China

**GOOSSE, Hugues**

Université catholique de Louvain  
Belgium

**GORODETSKAYA, Irina V.**

University of Aveiro  
Portugal

**GREGOR, Luke**

ETH Zurich  
Switzerland

**GREGORY, Jonathan M.**

University of Reading  
and Met Office Hadley Centre  
United Kingdom (of Great Britain  
and Northern Ireland)

**GRENIER, Patrick**

Canada

**GREVE, Peter**

International Institute of Applied Systems  
Analysis (IIASA)  
Austria

**GRIFFITHS, Paul T.**

Cambridge University  
United Kingdom (of Great Britain  
and Northern Ireland)

**GROSE, Michael**

Commonwealth Scientific and Industrial  
Organization (CSIRO)  
Australia

**GU DMUNDSSON, Lukas**

ETH Zurich  
Switzerland

**GUILYARDI, Eric**

Institut Pierre-Simon Laplace (IPSL)  
France

**GUIVARCH, Celine**

Centre international de recherche sur  
l'environnement et le développement  
(CIRED)  
France

**GULEV, Sergey K.**

Russian Academy of Sciences  
Russian Federation

**GUTIÉRREZ, José Manuel**

Consejo Superior de Investigaciones  
Científicas (CSIC)  
University of Cantabria  
Spain

**GUTOWSKI, William J.**

Iowa State University  
United States of America

**GUTZLER, David S.**

University of New Mexico  
United States of America

**HAARSMA, Rein**

Royal Netherlands Meteorological Institute  
(KNMI)  
The Netherlands

**HAHN, Lily C.**

University of Washington  
United States of America

**HALENKA, Tomas**

Charles University  
Czech Republic

**HALIMI, Lofti**

Algeria

**HALL, Bradley**National Oceanic and Atmospheric Administration (NOAA)  
United States of America**HALLBERG, Robert**National Oceanic and Atmospheric Administration (NOAA)  
and Princeton University  
United States of America**HAMDI, Rafiq**Royal Meteorological Institute of Belgium  
Belgium**HAN, Zhenyu**National Climate Center  
and China Meteorological Administration  
China**HANANEL, Cédric**Arctic Technopolis Group  
Belgium**HAROLD, Jordan**United Kingdom (of Great Britain  
and Northern Ireland)**HARRIS, Glen R.**Met Office Hadley Centre  
United Kingdom (of Great Britain  
and Northern Ireland)**HARRIS, Rebecca**University of Tasmania  
Australia**HASSOL, Susan**Climate Communication  
United States of America**HAUMANN, F. Alexander**Princeton University  
United States of America**HAUSER, Matthias**ETH Zurich  
Switzerland**HAUSFATHER, Zeke**The Breakthrough Institute  
United States of America**HAUSTEIN, Karsten**Climate Service Center Germany (GERICS)  
United Kingdom (of Great Britain and  
Northern Ireland)**HAVERD, Vanessa**Commonwealth Scientific and Industrial  
Organization (CSIRO)  
Australia**HAWKINS, Ed**University of Reading  
United Kingdom (of Great Britain  
and Northern Ireland)**HAYWOOD, Alan M.**University of Leeds  
United Kingdom (of Great Britain  
and Northern Ireland)**HE, Jian**National Oceanic and Atmospheric  
Administration (NOAA)  
United States of America**HEGERL, Gabriele**University of Edinburgh  
School of Geosciences  
United Kingdom (of Great Britain  
and Northern Ireland)**HEMER, Mark**Commonwealth Scientific and Industrial  
Organization (CSIRO)  
Australia**HENLEY, Benjamin J.**Monash University  
Australia**HENNESSY, Kevin**Commonwealth Scientific and Industrial  
Organization (CSIRO)  
Australia**HENSON, Stephanie**National Oceanography Centre  
United Kingdom (of Great Britain and  
Northern Ireland)**HERMANS, Tim H.J.**Royal Netherlands Institute for Sea Research  
(NIOZ)  
The Netherlands**HERNÁNDEZ, Armand**Geosciences Barcelona  
Spain**HERRERA, Sixto**University of Cantabria  
Spain**HERSBACH, Hans**European Centre for Medium-Range  
Weather Forecasts  
United Kingdom (of Great Britain and  
Northern Ireland)**HEWITSON, Bruce**University of Cape Town  
South Africa**HEWITT, Helene T.**Met Office Hadley Centre  
United Kingdom (of Great Britain and  
Northern Ireland)**HILL, Emma M.**Earth Observatory of Singapore  
and Asian School of the Environment  
Singapore**HOCK, Regine**University of Alaska Fairbanks  
United States of America  
and University of Oslo  
Norway**HOFER, Stefan**University of Oslo  
Norway**HOFFMAN, Forrest M.**Oak Ridge National Laboratory  
United States of America**HOLLAND, Marika M.**National Center for Atmospheric Research  
(NCAR)  
United States of America**HOPE, Pandora**Bureau of Meteorology  
Australia**HORTON, Benjamin P.**Earth Observatory of Singapore  
Nanyang Technological University  
Singapore**HOWDEN, Mark**Australian National University  
Australia**HU, Yongyun**Beijing University  
China**HUA, Lijuan**

China



**HUANG, Mengtian**  
WGI Technical Support Unit  
China

**HUGGEL, Christian**  
University of Zurich  
Switzerland

**HUGONNET, Romain**  
LEGOS  
Université de Toulouse  
France

**HUNTINGFORD, Chris**  
UK Centre for Ecology and Hydrology  
United Kingdom (of Great Britain  
and Northern Ireland)

**HURLBERT, Margot**  
University of Regina  
Canada

**HURST, Dale F.**  
University of Colorado Boulder  
and National Oceanic and Atmospheric  
Administration (NOAA)  
United States of America

**HUYBRECHTS, Philippe**  
Vrije Universiteit Brussel  
Belgium

**ILES, Carley E.**  
Center for International Climate Research  
(CICERO)  
Norway  
Laboratoire des sciences du climat  
et de l'environnement (LSCE)  
France

**ILYINA, Tatiana**  
Max Planck Institute for Meteorology  
Germany

**ISHII, Masao**  
Meteorological Research Institute  
Japan

**ISKANDAR, Iskhaq**  
University of Sriwijaya  
Indonesia

**ISLAM, A.K.M Saiful**  
Saiful Bangladesh University of Engineering  
and Technology (BUET)  
Bangladesh

**ISLAM, Nazrul**  
Bangladesh

**ITURBIDE, Maialen**  
Consejo Superior de Investigaciones  
Científicas (CSIC)  
University of Cantabria  
Spain

**JACCARD, Samuel**  
University of Bern  
Switzerland

**JACK, Christopher D.**  
University of Cape Town  
South Africa

**JACKSON, Laura C.**  
Met Office Hadley Centre  
United Kingdom (of Great Britain  
and Northern Ireland)

**JACKSON, Robert B.**  
Stanford University  
United States of America

**JAMERO, Ma. Laurice Preciado**  
Manila Observatory  
Philippines

**JAYANARAYANAN, Sanjay**  
India

**JIANG, Dabang**  
Institute of Atmospheric Physics  
Chinese Academy of Sciences  
China

**JOHANSEN, Tom Gabriel**  
InfoDesignLab (IDL)  
Norway

**JONES, Christopher**  
Met Office Hadley Centre  
United Kingdom (of Great Britain  
and Northern Ireland)

**JONES, Colin**  
National Centre for Atmospheric Science  
and University of Leeds  
United Kingdom (of Great Britain  
and Northern Ireland)

**JONES, Richard G.**  
Met Office Hadley Centre  
United Kingdom (of Great Britain  
and Northern Ireland)

**JÖNSSON, Bror**  
Plymouth Marine Laboratory  
United Kingdom (of Great Britain  
and Northern Ireland)

**JOURDAIN, Nicolas C.**  
Université Grenoble Alpes  
France

**JUNENG, Liew**  
The National University of Malaysia  
Malaysia

**JURY, Martin W.**  
Barcelona Supercomputing Center (BSC)  
Spain  
and University of Graz  
Austria

**KÄÄB, Andreas**  
University of Oslo  
Norway

**KADYGROV, Nikolay**  
Institut Pierre-Simon Laplace (IPSL)  
France

**KAGEYAMA, Masa**  
Laboratoire des sciences du climat  
et de l'environnement (LSCE)  
France

**KANAYA, Yugo**  
Japan Agency for Marine-Earth Science  
and Technology  
Japan

**KANIKICHARLA, Krishna Kumar**  
Qatar Meteorology Department  
Qatar

**KAROLY, David**  
Australian Government's National  
Environmental Science Program  
Australia

**KATO, Seiji**  
NASA Langley Research Center  
United States of America

**KATRAGKOU, Eleni**  
University of Thessaloniki  
Greece

**KATTSOV, Vladimir**  
Voeikov Main Geophysical Observatory  
Russian Federation

**KAUFMAN, Darrell S.**  
Northern Arizona University  
United States of America

**KAZERONI, Rémi**  
Institut für Physik der Atmosphäre  
Germany

**KEELING, Ralph**

Scripps Institution of Oceanography  
United States of America

**KEENLYSIDE, Noel S.**

University of Bergen  
Norway

**KELLER, David P.**

GEOMAR Helmholtz Centre for Ocean  
Research Kiel  
Germany

**KENNEDY, John**

Met Office Hadley Centre  
United Kingdom (of Great Britain  
and Northern Ireland)

**KENT, Elizabeth**

National Oceanography Centre  
United Kingdom (of Great Britain  
and Northern Ireland)

**KHAN, Asif**

UET Peshawar  
and LUMS Lahore  
Pakistan

**KHAN, Nichol S.**

University of Hong Kong  
China

**KHAN, Shfaqat**

Technical University of Denmark,  
Denmark

**KHARYUTKINA, Elena**

Institute of Monitoring of Climatic  
and Ecological Systems  
Russian Federation

**KIENDLER-SCHARR, Astrid**

Troposphere Forschungszentrum  
Jülich GmbH  
Germany

**KIESSLING, Wolfgang**

University of Erlangen-Nuremberg  
Germany

**KIM, Yeon-Hee**

Pohang University of Science  
and Technology  
Republic of Korea

**KIMOTO, Masahide**

University of Tokyo  
Japan

**KINNE, Stefan**

Max Planck Institute for Meteorology  
Germany

**KIRCHMEIER-YOUNG, Megan**

Environment and Climate Change  
Canada

**KIREZCI, Ebru**

The University of Melbourne  
Australia

**KIRWAN, Matthew**

Virginia Institute of Marine Science  
United States of America

**KITOH, Akio**

Japan Meteorological Business  
Support Center  
Japan

**KJELLSTRÖM, Erik**

Rosby Centre  
Sweden

**KLIMONT, Zbigniew**

International Institute for Applied Systems  
Analysis (IIASA)  
Austria

**KLUTSE, Nana Ama Browne**

University of Ghana  
Ghana

**KNUTSON, Thomas**

National Oceanic and Atmospheric  
Administration (NOAA)  
and Geophysical Fluid Dynamics Laboratory  
United States of America

**KOLL, Roxy Mathew**

Indian Institute of Tropical Meteorology  
India

**KOPP, Robert E.**

Rutgers University  
United States of America

**KOSAKA, Yu**

The University of Tokyo  
Japan

**KOSSIN, James**

National Oceanic and Atmospheric  
Administration (NOAA)  
United States of America

**KOVEN, Charles**

Lawrence Berkeley National Laboratory  
United States of America

**KRAKOVSKA, Svitlana**

Ukrainian Hydrometeorological Institute  
Ukraine

**KRAVITZ, Ben**

Indiana University  
United States of America

**KRIEGLER, Elmar**

University of Potsdam  
Germany

**KRINNER, Gerhard**

Institut de Géosciences de  
l'Environnement (IGE)  
and Université Grenoble Alpes  
France

**KRIVOVA, Natalie**

Max Planck Institute for Solar  
System Research  
Germany

**KRUMMEL, Paul B.**

Commonwealth Scientific and Industrial  
Organization (CSIRO)  
Australia

**KUNKEL, Kenneth**

United States of America

**KUO, Chaincy**

Lawrence Berkeley Laboratory  
and University of California  
United States of America

**KUSAKA, Hiroyuki**

University of Tsukuba  
Japan

**KUTSCH, Werner L.**

Integrated Carbon Observation  
System (ICOS)  
EU

**KWIATKOWSKI, Lester**

Sorbonne Université  
France

**KWOK, Ron**

University of Washington  
United States of America

**KWON, Won-Tae**

APEC Climate Center  
Republic of Korea

**LADSTÄDTER, Florian**

University of Graz  
Austria

**LAI, Hui-Wen**

University of Gothenburg  
Sweden

**LAMBOLL, Robin D.**

Imperial College London  
United Kingdom (of Great Britain  
and Northern Ireland)

**LAMPTEY, Benjamin L.**

African Centre of Meteorological  
Applications for Development (ACMAD)  
Niger

**LAN, Xin**

National Oceanic and Atmospheric  
Administration (NOAA)  
United States of America

**LANDSCHÜTZER, Peter**

Max Planck Institute for Meteorology  
Germany

**LANGE, Stefan**

Potsdam Institute for Climate Impact  
Research (PIK)  
Germany

**LAUFKÖTTER, Charlotte**

University of Bern  
Switzerland

**LE QUÉRÉ, Corinne**

University of East Anglia  
United Kingdom (of Great Britain  
and Northern Ireland)

**LEACH, Nicholas**

United Kingdom (of Great Britain  
and Northern Ireland)

**LEBEHOT, Alice D.**

University of Cape Town  
South Africa

**LEE, David S.**

United Kingdom (of Great Britain  
and Northern Ireland)

**LEE, June-Yi**

Pusan National University  
and IBS Center for Climate Physics  
Republic of Korea

**LEHNER, Flavio**

Cornell University  
United States of America

**LEISEROWITZ, Anthony**

Yale University  
United States of America

**LEITZELL, Katherine**

WGI Technical Support Unit  
France

**LEMPERT, Robert J.**

RAND Corporation  
United States of America

**LENNARD, Christopher**

University of Cape Town  
South Africa

**LENTON, Andrew**

Commonwealth Scientific and Industrial  
Organization (CSIRO)  
Australia

**LEVASSEUR, Maurice**

Université Laval  
Canada

**LEVERMANN, Anders**

Columbia University  
United States of America  
and Institute of Physics  
at Potsdam University  
Germany

**LEVIN, Lisa A.**

University of California  
United States of America

**LEWIS, Jared**

University of Melbourne  
and Climate Resource  
Australia

**LEWIS, Sophie**

University of New South Wales  
Australia

**LI, Chao**

East China Normal University  
China

**LI, Hongmei**

Max Planck Institute for Meteorology  
Germany

**LI, Jian**

Chinese Academy of Meteorological  
Sciences  
China

**LI, Zhanqing**

University of Maryland  
United States of America

**LIANG, Yongxiao**

University of Victoria  
Canada

**LIAO, Hong**

Nanjing University of Information  
Science and Technology  
China

**LIDDICOAT, Spencer**

Met Office Hadley Centre  
United Kingdom (of Great Britain  
and Northern Ireland)

**LIONELLO, Piero**

University of Salento  
Italy

**LIU, Fei**

Sun Yat-Sen University  
China

**LIU, Shiyin**

Yunnan University  
China

**LIZOTTE, Martine**

Canada

**LLOPART, Marta**

São Paulo State University  
Brazil

**LO, Eunice**

University of Bristol  
United Kingdom (of Great Britain  
and Northern Ireland)

**LOCKWOOD, Mike**

University of Reading  
United Kingdom (of Great Britain  
and Northern Ireland)

**LOEB, Norman**

NASA Langley Research Center  
United States of America

**LOHILA, Annalea**

University of Helsinki  
Finland

**LONGANDJO, Georges-Noel T.**

University of Cape Town  
South Africa

**LONNOY, Elisabeth**

WGI Technical Support Unit  
France

**LORENZONI, Irene**

United Kingdom (of Great Britain  
and Northern Ireland)

**LOVENDUSKI, Nikki**

University of Colorado  
United States of America

**LOWRY, Daniel**

GNS Science  
New Zealand

**LU, Xianfu**

World Bank Group  
United Kingdom (of Great Britain  
and Northern Ireland)

**LUND, Marianne T.**

Center for International Climate Research  
(CICERO)  
Norway

**LUNT, Daniel J.**

University of Bristol  
United Kingdom (of Great Britain  
and Northern Ireland)

**MACADAM, Ian**

Australia

**MACDOUGALL, Andrew H.**

St. Francis Xavier University  
Canada

**MACH, Katharine**

University of Miami  
United States of America

**MALININA, Elizaveta**

Environment and Climate Change  
Canada

**MALONEY, Eric**

Colorado State University  
United States of America

**MANZANAS, Rodrigo**

University of Cantabria  
Spain

**MARAUN, Douglas**

University of Graz  
Wegener Center for Climate and  
Global Change  
Austria

**MARCOS, Marta**

University of the Balearic Islands  
Spain

**MARENGO ORSINI, Jose A.**

CEMADEN  
Brazil

**MAROTZKE, Jochem**

Max Planck Institute for Meteorology  
Germany

**MARSHALL, Gareth J.**

British Antarctic Survey  
United Kingdom (of Great Britain  
and Northern Ireland)

**MARSLAND, Simon**

Commonwealth Scientific and Industrial  
Organization (CSIRO)  
Australia

**MARTÍNEZ-CASTRO, Daniel**

Instituto de Meteorología  
Cuba  
and Instituto Nacional de Investigaciones  
en Glaciares y Ecosistemas de Montaña  
Peru

**MARZEION, Ben**

University of Bremen  
Germany

**MASSOM, Robert A.**

Water and Environment  
Australia

**MASSON-DELMOTTE, Valérie**

Laboratoire des sciences du climat  
et de l'environnement (LSCE)  
France

**MATHESIUS, Sabine**

Simon Fraser University  
Canada

**MATTHES, Katja**

GEOMAR Helmholtz Centre for Ocean  
Research Kiel  
Germany

**MATTHEWS, H. Damon**

Concordia University  
Canada

**MATTHEWS, J.B. Robin**

WGI Technical Support Unit  
France

**MAURITSEN, Thorsten**

Stockholm University  
Sweden

**MAYCOCK, Amanda**

University of Leeds  
United Kingdom (of Great Britain  
and Northern Ireland)

**MAYCOCK, Thomas K.**

WGI Technical Support Unit  
United States of America

**MCCARTHY, Gerard D.**

Maynooth University  
Ireland

**MCCLYMONT, Erin L.**

Durham University  
United Kingdom (of Great Britain  
and Northern Ireland)

**MCGINNIS, Seth**

United States of America

**MCGREE, Simon**

Australian Bureau of Meteorology  
Australia

**MCGREGOR, Glenn**

Durham University  
United Kingdom (of Great Britain  
and Northern Ireland)

**MCGREGOR, Shayne**

Monash University  
Australia

**MCINNES, Kathleen L.**

Commonwealth Scientific and Industrial  
Organization (CSIRO)  
Australia

**MCMANUS, Jerry F.**

Doherty Earth Observatory of Columbia  
University  
United States of America

**McVICAR, Tim R.**

Commonwealth Scientific and Industrial  
Organization (CSIRO)  
Australia

**MEARNS, Linda O.**

National Center for Atmospheric  
Research (NCAR)  
United States of America

**MEIER, Walter N.**

University of Colorado at Boulder  
United States of America

**MEINSHAUSEN, Malte**

The University of Melbourne  
Australia

**MENARY, Matthew**

École Normale Supérieure  
France

**MENDEZ, Carlos**

Venezuela

**MÉNÉGOZ, Martin**

Université Grenoble Alpes  
France

**MERNILD, Sebastian H.**

University of Southern Denmark  
Denmark

**MERRYFIELD, William J.**

Environment and Climate Change  
Canada

**MILINSKI, Sebastian**

Max Planck Institute for Meteorology  
Germany

**MILOVAC, Josipa**

Consejo Superior de Investigaciones  
Científicas (CSIC)  
University of Cantabria  
Spain

**MIN, Seung-Ki Pohang**

University of Science and Technology  
Republic of Korea

**MINX, Jan**

Mercator Institute on Global Commons  
and Climate Change  
Germany

**MISHRA, Vimal**

IIT Gandhinagar  
India

**MITCHELL, Daniel**

University of Bristol  
United Kingdom (of Great Britain  
and Northern Ireland)

**MIX, Alan**

Oregon State University  
United States of America

**MOKHOV, Igor I.**

A.M. Obukhov Institute of Atmospheric  
Physics RAS  
Russian Federation

**MÖLLER, Vincent**

WGII Technical Support Unit  
Germany

**MONTEIRO, Pedro M.S.**

CSIR  
South Africa

**MORELLI, Angela**

InfoDesignLab (IDL)  
Norway

**MORGENSTERN, Olaf**

National Institute of Water and Atmospheric  
Research (NIWA)  
New Zealand

**MOUFOUMA-OKIA, Wilfran**

World Meteorological Organization (WMO)  
Switzerland

**MUDRYK, Lawrence R.**

Environment and Climate Change  
Canada

**MÜHLE, Jens**

University of California  
United States of America

**MÜLLER, Jean-François**

Royal Belgian Institute for Space Aeronomy  
Belgium

**MURI, Helène**

Norwegian University of Science  
and Technology  
Norway

**MURRAY, Lee T.**

University of Rochester  
United States of America

**MUSTAFA, Sawsan Khair**

Ministry of Agriculture and Natural  
Resources  
Sudan

**MUTEMI, Joseph**

University of Nairobi  
Kenya

**MYSLINSKI, Therese A.**

Maynooth University  
Ireland

**NAIK, Vaishali**

National Oceanic and Atmospheric  
Administration (NOAA)  
United States of America

**NARISMA, Gemma Teresa**

Manila Observatory  
Philippines

**NDIAYE, Ousman**

Senegalese National Civil Aviation  
and Meteorology (ANACIM)  
Senegal

**NGO-DOC, Thanh**

University of Science and Technology  
of Hanoi  
Vietnam

**NICHOLLS, Zebedee R.J.**

University of Melbourne  
Australia

**NIKULIN, Grigory**

Rosby Centre SMHI  
Sweden

**NKRUMAH, Francis**

University of Cape Coast  
Ghana

**NNAMCHI, Hyacinth C.**

University of Nigeria  
Nigeria  
and GEOMAR Helmholtz Centre for Ocean  
Research Kiel  
Germany

**NOTZ, Dirk**

Max Planck Institute for Meteorology  
and University of Hamburg  
Germany

**NOWICKI, Sophie**

University at Buffalo  
United States of America

**NURHATI, Intan Suci**

Indonesian Institute of Sciences  
Indonesia

**O'NEILL, Brian C.**

Pacific Northwest National Laboratory  
United States of America

**O'SULLIVAN, Michael**

University of Exeter  
United Kingdom (of Great Britain and  
Northern Ireland)

**OGAZ, M. Giselle**

Center for Climate and Resilience Research  
Chile

**ORLOVE, Ben**

Columbia University  
United States of America

**ORME, Lisa C.**

Maynooth University  
Ireland

**ORR, Andrew**

National Environmental Research Council  
United Kingdom (of Great Britain and  
Northern Ireland)

**ORTON, Philip**

Stevens Institute of Technology  
United States of America

**OSBORN, Timothy J.**  
University of East Anglia  
United Kingdom (of Great Britain  
and Northern Ireland)

**OSIMA, Sarah**  
Tanzania

**OSPREY, Scott M.**  
University of Oxford  
United Kingdom (of Great Britain  
and Northern Ireland)

**OTTO, Friederike**  
University of Oxford  
United Kingdom (of Great Britain  
and Northern Ireland)

**OTTO-BLIESNER, Bette**  
United States of America

**OVADNEVAITE, Jurgita**  
National University of Ireland Galway  
Ireland

**OZTURK, Tugba**  
Turkey

**PADRÓN FLASHER, Ryan S.**  
Institute for Atmospheric and Climate  
Science  
Switzerland

**PALMER, Matthew D.**  
Met Office Hadley Centre  
and University of Bristol  
United Kingdom (of Great Britain  
and Northern Ireland)

**PALMER, Tamzin**  
Met Office Hadley Centre  
United Kingdom (of Great Britain  
and Northern Ireland)

**PANICKAL, Swapna**  
Indian Institute of Tropical Meteorology  
India

**PARKER, Wendy**  
Durham University  
United Kingdom (of Great Britain  
and Northern Ireland)

**PARMESAN, Camille**  
Theoretical and Experimental Ecology  
Station (SETE)  
France

**PATRA, Prabir K.**  
Japan Agency for Marine-Earth Science  
and Technology  
Japan

**PATRICOLA, Christina M.**  
Iowa State University  
United States of America

**PATTYN, Frank**  
Université libre de Bruxelles (ULB)  
Belgium

**PAULOT, Fabien**  
National Oceanic and Atmospheric  
Administration (NOAA)  
United States of America

**PEAN, Clotilde**  
WGI Technical Support Unit  
France

**PEARCE, Warren**  
University of Sheffield  
United Kingdom (of Great Britain  
and Northern Ireland)

**PEARSON, Brodie**  
Oregon State University  
United States of America

**PEDACE, Roque**  
Universidad de Buenos Aires  
Argentina

**PELLET, Cécile**  
University of Fribourg  
Switzerland

**PENDERGRASS, Angeline**  
Cornell University  
and National Center for Atmospheric  
Research (NCAR)  
United States of America

**PÉREZ GARCÍA-PANDO, Carlos**  
Catalan Institution for Research and  
Advanced Studies (ICREA)  
and Barcelona Supercomputing Center (BSC)  
Spain

**PERRY, Chris**  
University of Exeter  
United Kingdom (of Great Britain and  
Northern Ireland)

**PETERS, Glen**  
Center for International Climate Research  
(CICERO)  
Norway

**PFAHL, Stefan**  
Freie Universität Berlin  
Germany

**PHILLIPS, Adam S.**  
National Center for Atmospheric Research  
(NCAR)  
United States of America

**PIAO, Shilong**  
Beijing University  
China

**PICKERING, Mark D.**  
University of Southampton  
United Kingdom (of Great Britain  
and Northern Ireland)

**PINTO, Izidine**  
University of Cape Town  
South Africa

**PIRANI, Anna**  
IPCC WGI Technical Support Unit  
Italy

**PLATTNER, Gian-Kasper**  
Swiss Federal Institute for Forest, Snow  
and Landscape Research  
Switzerland

**POKAM MBA, Wilfried**  
University of Yaounde 1  
Cameroon

**POLASHENSKI, Chris**  
U.S. Army Cold Regions Research  
and Engineering Laboratory  
and Dartmouth College  
United States of America

**POLCHER, Jan**  
Laboratoire de Météorologie  
Dynamique (LMD)  
France

**POLOCZSANKA, Elvira**  
WGII Technical Support Unit  
Germany

**PONGRATZ, Julia**  
The Ludwig-Maximilians University  
Germany

**POSSNER, Anna**  
Goethe University Frankfurt  
Germany

**POULTER, Benjamin**  
NASA Goddard Space Flight Center  
United States of America

**PRATHER, Michael J.**  
University of California, Irvine  
United States of America

**PREDOI, Valeriu**  
University of Reading  
United Kingdom (of Great Britain  
and Northern Ireland)

**PRETTENTHALER, Franz**  
Joanneum Research  
Austria

**PRIESTLEY, Matthew D.K.**  
University of Exeter  
United Kingdom (of Great Britain  
and Northern Ireland)

**PRIGENT, Catherine**  
Observatoire de Paris  
France

**PROISTOESCU, Cristian**  
Romania

**PURAYIL, Sabin**  
Thazhe  
India

**PUROHIT, Pallav**  
International Institute for Applied Systems  
Analysis (IIASA)  
Austria

**QUAAS, Johannes**  
Leipzig University  
Germany

**QUILCAILLE, Yann**  
Switzerland

**RACAULT, Marie-Fanny**  
Plymouth Marine Laboratory  
United Kingdom (of Great Britain  
and Northern Ireland)

**RAFFAELE, Francesca**  
The Abdus Salam International Centre  
for Theoretical Physics (ICTP)  
Italy

**RAGHAVAN, Srivatsan**  
National University of Singapore  
Singapore

**RAHIMI, Mohammad**  
Faculty of Desert Studies  
Semnan University  
Iran

**RAMASWAMY, Venkatachalam**  
National Oceanic and Atmospheric  
Administration (NOAA)  
United States of America

**RAMZAN, Mehwish**  
Pakistan

**RANASINGHE, Roshanka**  
Delft Institute for Water Education  
Deltares  
The Netherlands

**RANDIN, Christophe F.**  
University of Lausanne  
Switzerland

**REISINGER, Andy**  
New Zealand

**RENWICK, James**  
Victoria University of Wellington  
New Zealand

**REYNS, Johan**  
IHE Delft Institute for Water Education  
Deltares  
The Netherlands

**RIAHI, Keywan**  
The International Institute for Applied  
Systems Analysis (IIASA)  
Austria

**RIBES, Aurélien**  
Université de Toulouse,  
and Météo France  
France

**RICHARDSON, Anthony**  
The University of Queensland  
Australia

**RICHTER, Ingo**  
Japan Agency for Marine-Earth  
Science Technology  
Japan

**RIETBROEK, Roelof**  
University of Twente  
The Netherlands

**RINKE, Annette**  
Germany

**RIO, Catherine**  
Laboratoire de météorologie  
dynamique (LMD)  
France

**RITCHIE, Paul**  
University of Exeter  
United Kingdom (of Great Britain  
and Northern Ireland)

**RIVERA, Juan A.**  
Argentine Institute for Snow Research,  
Glaciology and Environmental Sciences  
(IANIGLA)  
and National Scientific and Technical  
Research Council of Argentina (CONICET)  
Argentina

**ROBERTS, Malcolm J.**  
Met Office Hadley Centre  
United Kingdom (of Great Britain  
and Northern Ireland)

**ROBSON, Jon**  
National Centre for Atmospheric Science  
University of Reading  
United Kingdom (of Great Britain  
and Northern Ireland)

**RODRÍGUEZ-FONSECA**  
Belén Universidad Complutense de Madrid  
Spain

**ROGELJ, Joeri**  
Imperial College London  
United Kingdom (of Great Britain  
and Northern Ireland)  
and International Institute for Applied  
Systems Analysis (IIASA)  
Austria

**ROJAS, Maisa**  
University of Chile  
Chile

**ROSE, Steven K.**  
Electric Power Research Institute (EPRI)  
United States of America

**ROSENFELD, Daniel**  
The Hebrew University of Jerusalem  
Israel

**ROSENTHAL, Yair**  
Rutgers University  
United States of America

**ROVERE, Alessio**  
University of Bremen  
Germany

**RUANE, Alex C.**  
NASA Goddard Institute for Space Studies  
United States of America

**RUIZ, Lucas**

National Scientific and Technical Research Council  
Argentina

**RUIZ CARRASCAL Daniel**

Columbia University  
United States of America

**SAEED, Fahad**

Climate Analytics  
Germany

**SÁENZ DE LA TORRE, Juan José**

PREDICTIA Intelligent Data Solutions SL  
Spain

**SALLEE, Jean-Baptiste**

LOCEAN  
France

**SALZMANN, Ulrich**

Northumbria University  
United Kingdom (of Great Britain and Northern Ireland)

**SAMSET, Bjørn H.**

Center for International Climate Research (CICERO)  
Norway

**SAN MARTIN, Daniel**

PREDICTIA Intelligent Data Solutions SL  
Spain

**SÁNCHEZ, Iván**

PREDICTIA Intelligent Data Solutions SL  
Spain

**SANCHEZ-GOMEZ, Emilia**

Université de Toulouse  
France

**SANDERSON, Benjamin**

National Center for Atmospheric Research (NCAR)  
United States of America

**SANDSTAD, Marit**

Center for International Climate Research (CICERO)  
Norway

**SANTER, Benjamin D.**

Lawrence Livermore National Laboratory  
United States of America

**SANTOLARIA OTIN, Maria**

Institut des géosciences de l'environnement (IGE)  
France

**SAPIAINS, Rodolfo**

Universidad de Chile  
Chile

**SATHYENDRANATH, Shubha**

Plymouth Marine Laboratory  
United Kingdom (of Great Britain and Northern Ireland)

**SATOH, Masaki**

University of Tokyo  
Japan

**SATOH, Yusuke**

National Institute for Environmental Studies  
Japan

**SAUNOIS, Marielle**

Laboratoire des sciences du climat et de l'environnement (LSCE)  
France

**SAURRAL, Ramiro I.**

Universidad de Buenos Aires (CONICET)  
Argentina

**SAVITA, Abhishek**

University of Tasmania & CSIRO  
Australia

**SCHIEMANN, Reinhard K.H.**

University of Reading  
United Kingdom (of Great Britain and Northern Ireland)

**SCHMIDT, Daniela**

University of Bristol  
United Kingdom (of Great Britain and Northern Ireland)

**SCHURER, Andrew P.**

University of Edinburgh  
United Kingdom (of Great Britain and Northern Ireland)

**SCHUUR, Edward A.G.**

Northern Arizona University  
United States of America

**SCHWIKOWSKI, Margit**

Oeschger Centre for Climate Change Research (OCCR)  
Switzerland

**SCHWINGSHACKL, Clemens**

Ludwig Maximilian University  
Germany  
and Center for International Climate Research (CICERO)  
Norway

**SEMENOV, Sergey**

Russian Federation

**SEN GUPTA, Alex**

University of New South Wales  
Australia

**SENESI, Stéphane**

Météo-France  
France

**SENEVIRATNE, Sonia I.**

Institute for Atmospheric and Climate Science  
ETH Zurich  
Switzerland

**SEROUSSI, Helene**

Jet Propulsion Laboratory  
California Institute of Technology  
United States of America

**SERVONNAT, Jérôme**

Laboratoire des sciences du climat et de l'environnement (LSCE)  
France

**SHAW, Chris**

Climate Outreach  
United Kingdom (of Great Britain and Northern Ireland)

**SHEPHERD, Theodore G.**

University of Reading  
United Kingdom (of Great Britain and Northern Ireland)

**SHIGE, Shoichi**

Kyoto University  
Japan

**SHOEMAN, David**

University of the Sunshine Coast  
Australia

**SHONK, Jonathan K.P.**

University of Reading  
United Kingdom (of Great Britain and Northern Ireland)

**SILLMANN, Jana**

Center for International Climate Research (CICERO)  
Norway

**SILVA, Lucas**

University of Bern  
Portugal



**SIMPSON, Isobel J.**  
University of California  
United States of America

**SINGH, Vijay**  
Texas A&M University  
United States of America

**SLANGEN, Aimée B.A.**  
Royal Netherlands Institute for Sea  
Research (NIOZ)  
The Netherlands

**SMITH, Chris**  
University of Leeds  
United Kingdom (of Great Britain  
and Northern Ireland)

**SMITH, Sharon L.**  
Geological Survey of Canada,  
Natural Resources  
Canada

**SMYTH, David N.**  
Maynooth University  
Ireland

**SOBOLOWSKI, Stefan**  
Norce Bergen  
Norway

**SOLOMINA, Olga N.**  
Russian Academy of Sciences  
Russian Federation

**SOMOT, Samuel**  
Centre Nationale de Recherche  
Météorologique (CNRM)  
France

**SÖRENSSON, Anna A.**  
Universidad de Buenos Aires-(CONICET)  
Argentina

**SORTEBERG, Asgeir**  
University of Bergen  
Norway

**SPINONI, Jonathan**  
European commission  
Italy

**STAVERT, Ann**  
Commonwealth Scientific and Industrial  
Organization (CSIRO)  
Australia

**STEINLE, Peter**  
Bureau of Meteorology  
Australia

**STEPHENSON, Tannecia S.**  
The University of the West Indies  
Jamaica

**STEYNOR, Anna**  
University of Cape Town  
South Africa

**STOCKER, Thomas F.**  
Climate and Environmental Physics  
University of Bern  
Switzerland

**STOCKHAUSE, Martina**  
Deutsches Klimarechenzentrum  
Germany

**STOFFEL, Markus**  
University of Geneva  
Switzerland

**STONE, Daithi**  
National Institute of Water and Atmospheric  
Research (NIWA)  
New Zealand

**STORELVMO, Trude**  
University of Oslo  
Norway

**STOUTHAMER, Esther**  
Utrecht University  
Faculty of Geosciences  
The Netherlands

**STRANEO, Fiammetta**  
Scripps Institution of Oceanography  
United States of America

**STUDHOLME, Joshua H.P.**  
Yale University  
United States of America

**STUECKER, Malte F.**  
University of Hawaii, Mānoa  
United States of America

**SUÁREZ, Elena**  
PREDICTIA Intelligent Data Solutions SL  
Spain

**SULTAN, Benjamin**  
French National Research Institute for  
Sustainable Development (IRD)  
France

**SUN, Ying**  
China Meteorological Administration  
China

**SUN, Qiaohong**  
Pacific Climate Impacts Consortium  
Canada

**SUNTHARALINGAM, Parvatha**  
University of East Anglia  
United Kingdom (of Great Britain  
and Northern Ireland)

**SWAMINATHAN, Ranjini**  
University of Reading  
United Kingdom (of Great Britain  
and Northern Ireland)

**SWANN, Abigail**  
The University of Washington  
United States of America

**SWEET, William V.**  
National Oceanic and Atmospheric  
Administration (NOAA)  
United States of America

**SWINGEDOUW, Didier**  
Environnements et Paléoenvironnements  
Océaniques et Continentaux (EPOC)  
France

**SYAMPUNGANI, Stephen**  
Copperbelt University  
Zambia

**SYLLA, Mouhamadou**  
Bamba African Institute for Mathematical  
Sciences (AIMS)  
Rwanda

**SZOPA, Sophie**  
Laboratoire des sciences du climat  
et de l'environnement (LSCE)  
France

**TACHIIRI, Kaoru**  
Japan Agency for Marine-Earth Science  
and Technology  
Japan

**TAGLIABUE, Alessandro**  
University of Liverpool  
United Kingdom (of Great Britain  
and Northern Ireland)

**TAKAYABU, Izuru**  
Meteorological Research Institute  
Japan

**TALL, Moustapha**  
African Institute for Mathematical  
Sciences (AIMS)  
Rwanda

**TANGANG, Fredolin**

The National University of Malaysia  
Malaysia

**TARIQ, Muhammad Irfan**

Pakistan

**TAYLOR, Richard G.**

University College London  
United Kingdom (of Great Britain  
and Northern Ireland)

**TEBALDI, Claudia**

Joint Global Change Research Institute  
United States of America

**TEICHMANN, Claas**

GERICS Climate Service Centre  
Germany

**TERHAAR, Jens**

University of Bern  
Switzerland

**TERRAY, Laurent**

Université de Toulouse  
France

**THAZHE PURAYIL, Sabin**

Indian Institute of Tropical Meteorology  
India

**THIERY, Wim**

Vrije Universiteit Brussel  
Belgium

**THOMPSON, Rona**

Norwegian Institute for Air Research Norway  
Luxembourg

**THORNE, Peter W.**

Maynooth University  
Ireland

**TIAN, Hanqin**

Auburn University  
United States of America

**TIERNEY, Jessica**

The University of Arizona  
United States of America

**TILININA, Natalia**

Russian Academy of Science (IORAS)  
Russian Federation

**TOKARSKA, Katarzyna B.**

Institute for Atmospheric and Climate  
Science  
ETH Zurich  
Switzerland

**TOOHEY, Matthew**

University of Saskatchewan  
Canada

**TOURÉ, N'Datchoh Evelyne**

Université Felix Houphouët-Boigny  
Côte d'Ivoire

**TREGUIER, Anne Marie**

CNRS  
France

**TREWIN, Blair**

Australian Bureau of Meteorology  
Australia

**TRIGO, Isabel**

Portuguese National Meteorological Service  
Portugal

**TRONSTAD LUND, Marianne**

Center for International Climate Research  
(CICERO)  
Norway

**TSIMPIDI, Alexandra P.**

Troposphere Forschungszentrum Jülich  
GmbH  
Germany

**TUNI, Max**

PREDICTIA Intelligent Data Solutions SL  
Spain

**TÜRKEŞ, Murat**

Boğaziçi University  
Turkey

**TURNBULL, Jocelyn**

GNS Science  
New Zealand

**TURNER, Andrew**

University of Reading  
United Kingdom (of Great Britain  
and Northern Ireland)

**TURNOCK, Steven**

Met Office Hadley Centre  
United Kingdom (of Great Britain  
and Northern Ireland)

**ULLOA, Osvaldo**

University of Concepción  
Chile

**UMMENHOFER, Caroline C.**

Woods Hole Oceanographic Institution  
United States of America

**UNGER, Nadine**

University of Exeter  
United Kingdom (of Great Britain  
and Northern Ireland)

**VAN AALST, Maarten K.**

University of Twente  
The Netherlands

**VAN DEN HURK, Bart**

Deltares  
The Netherlands

**VAN DIEMEN, Renée**

WGIII Technical Support Unit  
United Kingdom (of Great Britain  
and Northern Ireland)

**VAN DINGENEN, Rita**

European commission  
Italy

**VAN OLDENBORGH**

Geert-Jan Royal Netherlands Meteorological  
Institute  
The Netherlands

**VAN VUUREN, Detlef**

PBL Netherlands Environmental  
Assessment Agency  
The Netherlands

**VAN WESSEM, Jan**

Utrecht University  
The Netherlands

**VANVYVE, Émilie**

Met Office Hadley Centre  
United Kingdom (of Great Britain  
and Northern Ireland)

**VAUTARD, Robert**

Institut Pierre Simon Laplace (IPSL)  
France

**VENEMA, Victor**

University of Bonn  
Germany

**VERA, Carolina**

Universidad de Buenos Aires (CONICET)  
Argentina

**VIAL, Jessica**

Laboratoire de météorologie dynamique  
(LMD)  
France

**VICENTE-SERRANO, Sergio M.**

Pyrenean Institute of Ecology  
Spain

**VICHOT-LLANO, Alejandro**

Instituto de Meteorología  
Cuba

**VIGNON, Étienne**

Sorbone Université  
France

**VILLASEÑOR, Tania**

Universidad de O'Higgins  
Chile

**VINER, David**

University of East Anglia  
United Kingdom (of Great Britain  
and Northern Ireland)

**VOLPI, Danila**

Istituto di Scienze dell'Atmosfera  
e del Clima (ISAC)  
Italy

**VON ENGELN, Axel**

EUMETSAT  
Germany

**VON SCHUCKMANN, Karina**

Mercator Ocean International  
France

**VOSE, Russell S.**

National Oceanic and Atmospheric  
Administration (NOAA)  
United States of America

**VOUSDOUKAS, Michalis**

European commission  
Italy

**WAHL, Thomas**

University of Central Florida  
United States of America

**WAIRIU, Morgan**

The University of the South Pacific  
Fiji

**WAN, Hui**

Environment and Climate Change  
Canada

**WANG, Wen**

Hohai University  
China

**WANG, Xuhui**

Beijing University  
China

**WANNINKHOF, Rik**

National Oceanic and Atmospheric  
Administration (NOAA)  
United States of America

**WARREN, Rachel**

Tyndall Centre for Climate Change Research  
United Kingdom (of Great Britain and  
Northern Ireland)

**WATANABE, Masahiro**

Institute University of Tokyo  
Japan

**WATERFIELD, Timothy**

WGI Technical Support Unit  
France

**WEHNER, Michael**

Lawrence Berkeley National Laboratory  
United States of America

**WEIGEL, Katja**

University of Bremen  
and Institut für Physik der Atmosphäre  
Germany

**WESTRA, Seth**

University of Adelaide  
Australia

**WILCOX, Laura J.**

University of Reading  
and National Centre for Atmospheric  
Science  
United Kingdom (of Great Britain  
and Northern Ireland)

**WILD, Martin**

ETH Zurich  
Switzerland

**WILLETT, Kate**

Met Office Hadley Centre  
United Kingdom (of Great Britain  
and Northern Ireland)

**WILLIAMS, John W.**

University of Wisconsin, Madison  
United States of America

**WILLIAMSON, Philip**

University of East Anglia  
United Kingdom (of Great Britain  
and Northern Ireland)

**WOLSKI, Piotr**

University of Cape Town  
South Africa

**XIAO, Cunde**

Beijing Normal University  
China

**YASSAA, Noureddine**

Algeria

**YASUNARI, Tetsuzo**

Research Institute for Humanity and Nature  
Japan

**YELEKCI, Özge**

WGI Technical Support Unit  
France

**YOON, Jin-Ho**

Gwangju Institute of Science and Technology  
Republic of Korea

**YU, Rong**

WGI Technical Support Unit  
China

**YU, Xiaoyong**

School of Atmosphere and Remote sensing  
Binjiang College,  
and Nanjing University of Information  
Science and Technology  
China

**YU, Lisan**

Woods Hole Oceanographic Institution  
United States of America

**YUAN, Jiacan**

Rutgers University  
United States of America  
and Fudan University  
China

**YUN, Kyung-Sook**

Pusan National University  
Republic of Korea

**ZAABOUL, Rashyd**

International Center for Biosaline Agriculture  
United Arab Emirates

**ZAEHLE, Sönke**

Max Planck Institute for Biogeochemistry  
Germany

**ZANIS, Prodromos**

Aristotle University of Thessaloniki  
Greece

**ZAPPA, Giuseppe**

Consiglio Nazionale delle Ricerche (CNR)  
and Istituto di Scienze dell'Atmosfera  
e del Clima (ISAC)  
Italy

## Annex IX

**ZARRIN, Azar**

Ferdowsi University of Mashhad  
Iran

**ZELINKA, Mark**

Lawrence Livermore National Laboratory  
United States of America

**ZHAI, Panmao**

Chinese Academy of Meteorological  
Sciences  
China

**ZHANG, Xuebin**

Environment and Climate Change  
Canada

**ZHANG, Hua**

National Climate Center  
China Meteorological Administration  
China

**ZHANG, Hua**

National Climate Center  
China Meteorological Administration  
China

**ZHAO, Alcide**

University of Reading  
United Kingdom (of Great Britain  
and Northern Ireland)

**ZHAO, Shuyun**

School of Environmental Studies  
China University of Geosciences  
China

**ZHAO, Anni**

University College London  
United Kingdom (of Great Britain  
and Northern Ireland)

**ZHOU, Baiquan**

WGI Technical Support Unit  
China

**ZHOU, Tianjun**

Institute of Atmospheric Physics  
Chinese Academy of Sciences  
China

**ZHOU, Botao**

Nanjing University of Information  
Science and Technology  
China

**ZICKFELD, Kirsten**

Simon Fraser University  
Canada

**ZIKA, Jan David**

University of New South Wales  
Australia

**ZOLINA, Olga**

P.P. Shirshov Institute of Oceanology RAS  
Russian Federation  
and Université Grenoble Alpes  
France

**ZSCHEISCHLER, Jakob**

Helmholtz Centre for Environmental  
Research  
Germany

**ZUO, Zhiyan**

Chinese Academy of Meteorological  
Sciences  
China